

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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In re PATENT APPLICATION OF

Steven L. Stice et al.

Application No. 09/534,500

Filed: March 24, 2000

Group Art Unit: 1632

Examiner: D. Crouch

OCT 11 2001

TECH CENTER 1600, 2900

Title: CLONED UNGULATE EMBRYOS AND ANIMALS, USE OF CELLS, TISSUES AND ORGANS
THEREOF FOR TRANSPLANTATION THERAPIES INCLUDING PARKINSON'S DISEASE

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AMENDMENT

Hon. Commissioner of Patents
Washington, D.C. 20231

Sir:

In response to the Office Action dated May 7, 2001, please amend the above identified application as follows:

IN THE CLAIMS:

Please cancel claim 79 without prejudice.

Please consider the following amended claims:

56. (Twice Amended) A method for restoring the proliferative life-span of a non-human mammalian somatic cell by nuclear transfer comprising:

- (i) introducing a non-human mammalian donor somatic cell or nucleus into an oocyte that is enucleated to remove its endogenous nucleus to produce a nuclear transfer ("NT") unit, wherein said donor cell is non-quiescent and non-serum-starved;
- (ii) culturing said nuclear transfer unit to produce an embryo that can be implanted in a female surrogate;
- (iii) implanting said embryo in a non-human female surrogate to produce a cloned

increased life-span relative to the donor cell or nucleus as measured by an increase in population doublings as compared to the population doublings of the